*CLASS COPY – DO NOT WRITE ON THIS!*

HW#9: Intro to Distance w/ Shapes

Geometry

Due: Friday, September 16th

DIRECTIONS: Complete all problems in your notebook.

For #1-#4:Plot each of the points below on a graph and show all work. No work shown will result in a LaSalle.

|  |  |
| --- | --- |
| 1. What is the distance between Point T(0,0) and  R(-4,0)? | 2. What is the distance between Point X(0,5) and Y(8,5)? |
| 3. What is the distance between Point K(-2,3) and Q(4,3)? | 4. What is the distance between Point H(4,2) and F(4,6)? |
| 5. Copy the figure below into your notebook. Choose the correct answer and *explain* why it is correct. | 6. On a number line, point W is located at -33, point X is located at 8, point Y is located at -17, and point Z is located at 3. Draw the number line and plot the points in your notebook. Name the longest line segment formed by these points.  A. WX  B. XY  C. YZ  D. WZ  E. XZ |

CHALLENGE ACCEPTED

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